

UTSA Engineering

MECHANICAL ENGINEERING RECOMMENDED PROGRAM OF STUDY 2018-2020 UNDERGRADUATE CATALOG

Updated: 03/13/18

SEMESTER I				SEMESTER II			
AIS	1203	Academic Inquiry & Scholarship	3	MAT/EGR	1224/1324	Calculus II	4
CHE	1103	General Chemistry I	3	PHY	1943	Physics for SCI/EGR I	3
MAT	1214	Calculus I	4	PHY	1951	Physics for SCI/EGR I Lab	1
ME	1403	ME Practice & Graphics	3	POL	1013	Intro to American Politics (Core)	3
WRC	1013	Freshman Composition I	3	CORE		American History	3
				WRC	1023	Freshman Composition II	3
Semester Total			16	Semester Total			17
SEMESTER III				SEMESTER IV			
EGR	2103	Statics	3	EE	2213	Electric Circuits & Electronics	3
EGR	2323	Applied Engineering Analysis I	3	EGR	2513	Dynamics	3
PHY	1963	Physics for SCI/EGR II	3	EGR	3323	Applied Engineering Analysis II	3
PHY	1971	Physics for SCI/EGR II Lab	1	ME	3241	Materials Engineering Lab	1
EGR	1403	Tech. Comm. (or other Core options)	3	ME	3243	Materials Engineering & Lab	3
		Math/Science Elective	3	ME	3293	Thermodynamics I	3
Semester Total			16	Semester Total			16
SEMESTER V				SEMESTER VI			
ME	2173	Numerical Methods	3	ME	3541	Dynamic Systems & Control Lab	1
ME	3113	Measurements & Instrumentation	3	ME	3543	Dynamic Systems & Control	3
ME	3663	Fluid Mechanics	3	ME	3263	Manufacturing Engineering	3
ME	3813	Mechanics of Solids	3	ME	3823	Machine Element Design I	3
ME	4293	Thermodynamics II	3	ME	4313	Heat Transfer	3
CORE		Lang, Phil, & Culture	3	ME	4801	Manufacturing Practices Lab	1
				CORE*		Creative Arts	3
Semester Total			18	Semester Total			17
SEMESTER VII				SEMESTER VIII			
ME	4543	Mechatronics	3	ME	4813	Senior Design II	3
ME	4312	Thermal and Fluid Lad	2	ME		Technical Elective	3
ME	4812	Senior Design I	2	ME		Technical Elective	3
POL	1133/1213	Texas Politics	3	CORE		American History	3
ME		Technical Elective	3	CORE		Social & Behavioral Sciences	3
Semester Total			13	Semester Total			15
Total Required Degree Hours							128

All undergraduate students are required to meet with an Academic Advisor when they have completed 45 and 90 Hours
DEADLINE TO APPLY FOR GRADUATION: Fall: July 15th Spring: November 15th Summer: February 15th

Approved Math/Science Electives

BIO 1233. Contemporary Biology I	CHE 2603. Organic Chemistry I	PHY 2103 Modern Physics
BIO 1243. Contemporary Biology II	ES 2013. Intro to Environmental Sci. I	PHY 3203. Classical Mechanics I.
BIO 1404. Biosciences I.	GEO 1123. Life Through Time	STA 2303 Appl. Prob.& Statist for Engrs.
BIO 2003. Biology of Human Reproduction	MAT 3013. Foundations of Mathematics	STA 3003. Applied Statistics
CH 1113 General Chemistry II	MAT 3103. Data Anal. & Interpretation	